

**WHAT IS CLAIMED IS:**

1           1.       A system for testing information handling systems, the system  
 2 comprising:  
 3           a script database having plural test script packages, each test script package  
 4           having plural scripts, each script having test parameters;  
 5           a test server having plural test engines and a test controller, the test controller  
 6           operable to apply script parameters of a script to the test engines to  
 7           generate a test executable that operates a test associated with the test  
 8           engine on a test unit;  
 9           plural test units, each test unit having a configuration profile; and  
 10          a test unit controller operating on each test unit, the test unit controller  
 11           operable to activate on the test unit the executable provided by the test  
 12           controller.

1           2.       The system of Claim 1 wherein the test unit controller comprises:  
 2           an activator operable to activate an executable; and  
 3           a validator operable to validate updates to the test unit controller or a runtime  
 4           associated with the test unit controller.

1           3.       The system of Claim 2 wherein the test controller is further operable to  
 2 command the test unit controller to pause operation of an executable.

1           4.       The system of Claim 2 wherein the test controller is further operable to  
 2 command the test unit controller to abort operation of an executable.

1           5.       The system of Claim 2 wherein the validator is operable to receive an  
 2 execute identifier from the test controller, respond to the test controller with the test  
 3 unit configuration profile and receive a test script generated by the test controller in  
 4 response to the configuration profile.

1           6.       The system of Claim 5 wherein the activator is operable to perform the  
 2 test script with an associated runtime provided by the test controller.

1           7.       The system of Claim 1 further comprising a remote test controller  
2 disposed between the test server and one or more test units, the remote test controller  
3 operable to act as an intermediary for communication of runtime scripts to the test  
4 units.

1           8.       The system of Claim 1 wherein the script parameters comprise runtime  
2 duration, language and operating system.

1           9.       A method for performing runtime tests on test information handling  
2 systems, the method comprising:  
3           sending an execute identifier from a test server to one or more test units, the  
4           execute identifier associated with a script package having plural  
5           scripts;  
6           responding to the execute identifier from the test unit to the test server with a  
7           test unit profile;  
8           generating at the test server one or more test executables and runtimes to  
9           execute one or more scripts of the script package by applying the test  
10          unit profile to one or more test engines;  
11          sending the test executables and runtime from the test server to the test unit;  
12          and  
13          executing the test executable and runtime on the test unit.

1           10.      The method of Claim 9 further comprising communicating between the  
2 test server and the test units with an intermediate remote test controller.

1           11.      The method of Claim 9 further comprising:  
2 tracking results of the test executable on the test unit; and  
3 periodically communicating the results to the test server.

1           12.      The method of Claim 9 wherein generating at the test server one or  
2 more executables and runtimes further comprises:  
3 selecting a script by comparing the test unit profile with script parameters; and

4           generating a runtime for executing the script with a one of plural test engines,  
5           the test engine associated with the script.

1           13.     The method of Claim 9 wherein executing further comprises:  
2           controlling communication with the test unit through a test unit controller  
3           process abstraction layer having an activator and a validator;  
4           validating downloaded scripts with the validator; and  
5           activating a runtime and script with the activator.

1           14.     The method of Claim 13 wherein the test unit controller accepts  
2           dynamic runtime commands from the test server and the activator executes the  
3           dynamic runtime commands.

1           15.     The method of Claim 14 wherein the dynamic runtime commands  
2           comprise a dynamic script duration.

1           16.     The method of Claim 14 wherein the dynamic runtime commands  
2           comprise a pause command.

1           17.     The method of Claim 14 wherein the dynamic runtime commands  
2           comprise an abort command.

1           18.     A test information handling system comprising:  
2           information processing components operable to process information;  
3           a network interface operable to communicate information over a network;  
4           a controller process abstraction layer in communication with the network  
5           interface and the information processing components;  
6           a validator associated with the controller process abstraction layer and  
7           operable to validate test script runtimes received through the network;  
8           and;  
9           an activator associated with the controller process abstraction layer and  
10          operable to run test script runtimes on the information processing  
11          components.

1           19.     The test information handling system of Claim 18 wherein the  
2     activator is further operable to run plural test script runtimes simultaneously.

1           20.     The test information handling system of Claim 18 wherein the  
2     controller process abstraction layer is operable to accept runtime instructions from a  
3     network and to command the activator to execute the runtime instructions.